

Application 10/686,643

New Abstract

A loudspeaker module in the form of a *ribbon element*, where the module can be equipped with a membrane, 50 millimetres in width or narrower, and with any length from 50 millimetres to 2500 millimetres. The magnet system is equipped with so called booster-magnets in order to reduce loss of magnetic flow in the soft iron pole pieces and in order to equalize and in order to even the magnetic flow at the magnet ends. The signal-feed is designed in the form of passive current-feeding, whereby the inductance's negative impact of the frequency response up to the $1/f$ point is eliminated. Above the $1/f$ point, the ribbon membrane is compensation fed from a separate circuit consisting of R and C, whose values have been chosen in such a way that the resulting frequency response is flat over the whole operating area.